



## SEQUENCE LISTING

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<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING  
COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

<130> ENZ-53 (D5)

<140> 08/978,637

<141> 1997-11-25

<150> 08/574,443

<151> 1995-12-15

<160> 63

<170> PatentIn Ver. 3.2

<210> 1

<211> 20

<212> PRT

<213> Influenza B virus

<400> 1

Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
1 5 10 15

Met Ile Ala Gly  
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<210> 2

<211> 20

<212> DNA

<213> Bacteriophage T7

<400> 2

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<210> 3

<211> 15

<212> DNA

<213> Simian virus 40

<400> 3  
ctctaaggta aatat 15

<210> 4  
<211> 16  
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<400> 4  
tgtatttttag attcaa 16

<210> 5  
<211> 19  
<212> DNA  
<213> Simian virus 40

<400> 5  
tgctctctaa ggtaaatat 19

<210> 6  
<211> 19  
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<213> Simian virus 40

<400> 6  
tgtatttttag ggtctactc 19

<210> 7  
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<213> Bacteriophage T7

<400> 7  
ugcucucuaa gguaaaauau 19

<210> 8  
<211> 19  
<212> RNA  
<213> Bacteriophage T7

<400> 8  
uguauuuuag ggucuacuc 19

<210> 9  
<211> 20  
<212> RNA  
<213> Bacteriophage T7

<400> 9

ugcucucuaa gggucuacuc

20

<210> 10

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 10

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc

49

<210> 11

<211> 55

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11

gactagttag tctcgtctct tttttggagg agtgctgttc ttagcgatgt taatc

55

<210> 12

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 12

ggaattcgtc tcggagaaaag gtaaaattct ctgacatcga actggc

46

<210> 13

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 13

gactagtggc ctccccttag agagcatgtc agc

33

<210> 14

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 14

ggaattcggg ctcgggtcta ctcgggtggcg agg

33

<210> 15

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15

gactagtcgt tacgcgaacg caaagtc

27

<210> 16

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 16

ggaattcgtc tctaaggtaa atataaaaatt tttaag

36

<210> 17

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 17

gactagtcgt ctctgaccct aaaatacaca aacaattaga

40

<210> 18

<211> 92

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca  
ctcctccaaa aaagagacga gaccaactag tc

60  
92

<210> 19

<211> 92

<212> DNA  
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<400> 19  
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<210> 20  
 <211> 73  
 <212> DNA  
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<220>  
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<400> 20  
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 ctctctcaaa aaa 73

<210> 21  
 <211> 77  
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 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21  
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 agctcgagac gaattcc 77

<210> 22  
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<220>  
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<400> 22  
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<210> 23  
 <211> 33  
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<400> 23  
 gagaaaggta aaattctctg acatcgaact ggc 33

<210> 24  
 <211> 17  
 <212> DNA  
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<220>  
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<400> 24  
 tctccgagac gaattcc 17

<210> 25  
 <211> 29  
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 <213> Artificial Sequence

<220>  
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<400> 25  
 ttccatttta agagactgta gcttgaccg 29

<210> 26  
 <211> 106  
 <212> DNA  
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<400> 26  
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<210> 27  
 <211> 106  
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<220>  
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<400> 27  
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 atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc 106

<210> 28  
 <211> 50  
 <212> DNA  
 <213> Bacteriophage T7

<400> 28  
 atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc 50

<210> 29  
 <211> 50  
 <212> DNA  
 <213> Bacteriophage T7

<400> 29  
 gccagttcga tgtcagagaa gtcgttctta gcgatgttaa tcgtgtccat 50

<210> 30  
 <211> 77  
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 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30  
 atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaa ggtaaaattc 60  
 tctgacatcg aactggc 77

<210> 31  
 <211> 77  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31  
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 atgttaatcg tgtccat 77

<210> 32  
 <211> 69  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32  
 gatcattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60

agcctcaag

69

<210> 33

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33

gaccccttgag gcttaagcag tgggttcctt agtttagccag agagctccca ggctcagatc 60  
tggctctaat 69

<210> 34

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34

gacccaccta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
g 61

<210> 35

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35

gaccccttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gacccctaagg 60  
t 61

<210> 36

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36

gacccatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
ag 62

<210> 37



<211> 62  
 <212> DNA  
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<220>  
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<400> 37  
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 at 62

<210> 38  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 38  
 aatctagagc taacaaagcc cgaaaggaag 30

<210> 39  
 <211> 28  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 39  
 ttctgcagat atagttcctc ctttcagc 28

<210> 40  
 <211> 70  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 40  
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 atgcagatct 70

<210> 41  
 <211> 70  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41  
 ctagagatct gcattttaact agtatcgatg ggcccgctag ctccggacgt acggatcctt 60  
 aagccatggc 70

<210> 42  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 42  
 catgaaatta attcgactca ctatacgga 29

<210> 43  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43  
 gatctccgta tagtgagtcg aattaattt 29

<210> 44  
 <211> 72  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 44  
 gatccggatt gaggcttaag cagtggggttc cctagttagc cagagagctc ccaggctcag 60  
 atctggtcta at 72

<210> 45  
 <211> 72  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 45  
 ccggattaga ccagatctga gcctgggagc tctctggcta actaggggaac ccactgctta 60  
 agcctcaatc cg 72

<210> 46  
 <211> 66  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 46  
 gatccggacc ttgaggaggt cttcgctcgct gtctccgctt cttcctgcc a taggagagcc 60  
 taaggt 66

<210> 47  
 <211> 66  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 47  
 ccggacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
 ggtccg 66

<210> 48  
 <211> 65  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 48  
 gatccggatg ggaggtgggt ctgaaacgat aatggtgagt atccctgcct aactctattc 60  
 actat 65

<210> 49  
 <211> 65  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 49  
 ccggatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
 atccg 65

<210> 50

<211> 67  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 50  
 gatcagcatg cctgcaggtc gactctagac ccgggtaccg agctcgccct atagtgagtc 60  
 gtattat 67

<210> 51  
 <211> 67  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 51  
 ccggataata cgactcacta tagggcgagc tcgggtaccg ggtctagagt cgacctgcag 60  
 gcatgct 67

<210> 52  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 52  
 tttttttttt tt 12

<210> 53  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 53  
 aaaaaaaaaa aaaaaa 15

<210> 54  
 <211> 15  
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 54

tttttttttt ttttt

15

<210> 55

<211> 20

<212> DNA

<213> Simian virus 40

<400> 55

gagtagaccc ttagagagca

20

<210> 56

<211> 15

<212> DNA

<213> Simian virus 40

<400> 56

gagattccat ttata

15

<210> 57

<211> 17

<212> DNA

<213> Simian virus 40

<400> 57

acataaaaaat ctaagtt

17

<210> 58

<211> 19

<212> DNA

<213> Simian virus 40

<400> 58

tataaatgga atctctcgt

19

<210> 59

<211> 19

<212> DNA

<213> Simian virus 40

<400> 59

ctcatctggg attttatgt

19

<210> 60  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 60  
 atacttacct ggcaggggag ataccatgat cacgaagggtg gttttcccag ggcgaggctt 60  
 atccattgca ctccggatgt gctgaccct gcgatttcgc caaatgtggg aaactcgact 120  
 gcataatttg tggtagtggg ggactgcgtt cgcgctttcc cctg 164

<210> 61  
 <211> 191  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic U1  
 construct with Anti-A

<400> 61  
 atacttacct ggcaggggag ataccatgat ccggattgag gcttaagcag tgggttcctt 60  
 agttagccag agagctccca ggctcagatc tgggtgaatc cggatgtgct gaccctgcg 120  
 atttcccaa atgtgggaaa ctgcactgca taatttgagg tagtggggga ctgcgttcgc 180  
 gctttccctt g 191

<210> 62  
 <211> 181  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic U1  
 construct with Anti-B

<400> 62  
 atacttacct ggcaggggag ataccatcgg accttgagga ggtcttcgtc gctgtctccg 60  
 cttcttcctg cgataggaga gcctaagggtc cggatgtgct gaccctgcg atttcccaa 120  
 atgtgggaaa ctgcactgca taatttgagg tagtggggga ctgcgttcgc gctttccctt 180  
 g 181

<210> 63  
 <211> 178  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic U1  
construct with Anti-C

<400> 63

atacttacct ggcaggggag ataccatgat aatgggaggt gggctctgaaa cgataatggt 60  
gagtatccct gcctaagtct attcactatc atgtgctgac ccctgcgagt tccccaaatg 120  
tgggaaactc gactgcataa tttgtggtag tgggggactg cgtccgcgct ttcccctg 178